RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/540,643_
Source: _PCT_
Date Processed by STIC: _2-1-05_

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PCT

RAW SEQUENCE LISTING   DATE: 07/11/2005
PATENT APPLICATION: US/10/540,643   TIME: 15:13:14

Input Set : A:\14875-146US1.txt
Output Set: N:\CRF4\07112005\J540643.raw

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   3 <110> APPLICANT: Kojima, Tetsuo
   4        Senoo, Chiaki
   5        Natori, Osamu
   6        Kasutani, Keiko
   7        Ishii, Shinya
   9 <120> TITLE OF INVENTION: AGONIST ANTIBODIES AGAINST HETEROMERIC RECEPTORS
  11 <130> FILE REFERENCE: 14875-146US1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/540,643
C--> 13 <141> CURRENT FILING DATE: 2005-06-24
  13 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/015230
  14 <151> PRIOR FILING DATE: 2003-11-28
  16 <150> PRIOR APPLICATION NUMBER: JP 2002-377078
  17 <151> PRIOR FILING DATE: 2002-12-26
  19 <160> NUMBER OF SEQ ID NOS: 30
  21 <170> SOFTWARE: PatentIn version 3.1
  23 <210> SEQ ID NO: 1
  24 <211> LENGTH: 120
  25 <212> TYPE: PRT
  26 <213> ORGANISM: Mus musculus
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  29 Gln Val Gln Leu Lys Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ala
  30 1               5                   10                  15
  31 Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Phe Tyr
  32             20                  25                  30
  33 Trp Ile Asn Trp Ile Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
  34         35                  40                  45
  35 Gly Arg Ile Asp Pro Tyr Asp Ser Glu Thr Arg Tyr Asn Gln Lys Phe
  36     50                  55                  60
  37 Lys Asp Lys Ala Ile Leu Thr Val Asp Lys Tyr Ser Ser Thr Ala Tyr
  38 65                  70                  75                  80
  39 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
  40             85                  90                  95
  41 Ala Lys Gly Val Tyr Asp Gly His Trp Phe Phe Asp Val Trp Gly Ala
  42             100                 105                 110
  43 Gly Thr Ser Val Thr Val Ser Ser
  44         115                 120
  46 <210> SEQ ID NO: 2
  47 <211> LENGTH: 108
  48 <212> TYPE: PRT
  49 <213> ORGANISM: Mus musculus
  51 <400> SEQUENCE: 2
  52 Asp Ile Val Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
  53 1               5                   10                  15
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54 Asp Arg Val Ser Ile Thr Cys Lys Ala Ser Gln Asp Val Ser Thr Ala
55           20                  25                  30
56 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
57           35                  40                  45
58 Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Ala Arg Phe Ser Gly
59      50                  55                  60
60 Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Val Gln Thr
61 65                  70                  75                  80
62 Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln His Tyr Arg Thr Pro Pro
63                  85                  90                  95
64 Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu Lys Arg
65              100                 105
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 119
69 <212> TYPE: PRT
70 <213> ORGANISM: Mus musculus
72 <400> SEQUENCE: 3
73 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Glu Lys Pro Gly Ala
74 1               5                   10                  15
75 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Asp Tyr
76           20                  25                  30
77 Asn Met Asn Trp Val Lys Gln Ser Asn Gly Lys Ser Leu Glu Trp Ile
78           35                  40                  45
79 Gly Asn Ile Asp Pro Tyr Asn Gly Asp Thr Asn Tyr Asn Gln Lys Phe
80      50                  55                  60
81 Lys Gly Lys Ala Thr Leu Thr Leu Asp Lys Ser Ser Ser Thr Ala Tyr
82 65                  70                  75                  80
83 Met Gln Leu Lys Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
84                  85                  90                  95
85 Ala Arg Ser Arg Gly Trp Leu Leu Pro Phe Ala Tyr Trp Gly Gln Gly
86              100                 105                 110
87 Thr Leu Val Thr Val Ser Ala
88              115
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 108
92 <212> TYPE: PRT
93 <213> ORGANISM: Mus musculus
95 <400> SEQUENCE: 4
96 Asp Ile Leu Met Thr Gln Ser Gln Lys Phe Met Ser Thr Ser Val Gly
97 1               5                   10                  15
98 Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val Gly Ile Asn
99           20                  25                  30
100 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Ala Leu Ile
101           35                  40                  45
102 Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Asp Arg Phe Thr Gly
103      50                  55                  60
104 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
105 65                  70                  75                  80
106 Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln Tyr Asn Ser Tyr Pro Leu
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107                    85                90                    95
108 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
109                    100               105
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 117
113 <212> TYPE: PRT
114 <213> ORGANISM: Mus musculus
116 <400> SEQUENCE: 5
117 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Arg Pro Gly Val
118 1                 5                 10                  15
119 Ser Val Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Asp Tyr
120                  20                25                  30
121 Ala Ile His Trp Val Arg Gln Ser His Ala Gln Ser Leu Glu Trp Ile
122            35                 40                 45
123 Gly Val Ile Gly Thr Tyr Ser Gly Asn Arg Asn Tyr Asn Gln Lys Phe
124       50                 55                 60
125 Lys Gly Lys Ala Thr Met Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
126 65                 70                 75                    80
127 Met Glu Leu Ala Arg Leu Thr Ser Glu Asp Ser Ala Ile Tyr Tyr Cys
128                  85                 90                    95
129 Ala Arg Ser Ala Gly Tyr Ser Leu Asp Phe Trp Gly Gln Gly Thr Ser
130            100                105                110
131 Val Thr Val Ser Ser
132         115
134 <210> SEQ ID NO: 6
135 <211> LENGTH: 112
136 <212> TYPE: PRT
137 <213> ORGANISM: Mus musculus
139 <400> SEQUENCE: 6
140 Asp Val Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
141 1                 5                 10                  15
142 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
143            20                 25                 30
144 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
145            35                 40                 45
146 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
147       50                 55                 60
148 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
149 65                 70                 75                    80
150 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
151                  85                 90                 95
152 Lys His Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
153            100                105                110
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 119
157 <212> TYPE: PRT
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 7
161 Gln Val Gln Leu Gln Gln Ser Gly Gly Glu Leu Val Arg Pro Gly Thr
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Input Set : A:\14875-146US1.txt
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162 1                 5                 10                15
163 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
164           20                25                30
165 Leu Ile Glu Trp Ile Arg Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
166       35                40                45
167 Gly Val Ile Asn Pro Gly Ser Gly Asn Ser Lys Ser Ser Lys Asn Leu
168     50                55                60
169 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Asn Thr Ala Tyr
170 65                70                75                80
171 Met Gln Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
172           85                90                95
173 Ala Arg Ser Gly Val Tyr Gly Ser Ser Pro Asp Tyr Trp Gly Gln Gly
174           100               105               110
175 Thr Thr Leu Thr Val Ser Ser
176         115
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 113
180 <212> TYPE: PRT
181 <213> ORGANISM: Mus musculus
183 <400> SEQUENCE: 8
184 Asp Val Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
185 1                 5                 10                15
186 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
187           20                25                30
188 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
189       35                40                45
190 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
191     50                55                60
192 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
193 65                70                75                80
194 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
195           85                90                95
196 Thr His Phe Pro Gln Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
197           100    .            105               110
198 Arg
201 <210> SEQ ID NO: 9
202 <211> LENGTH: 118
203 <212> TYPE: PRT
204 <213> ORGANISM: Mus musculus
206 <400> SEQUENCE: 9
207 Gln Val Gln Leu Gln Gln Ser Gly Gly Glu Leu Val Arg Pro Gly Thr
208 1                 5                 10                15
209 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
210           20                25                30
211 Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Asp Trp Ile
212       35                40                45
213 Gly Met Ile Asn Pro Gly Ser Gly Gly Thr Lys Cys Asn Lys Lys Phe
214     50                55                60
215 Lys Gly Lys Val Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
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Input Set : A:\14875-146US1.txt
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216 65                  70                  75                  80
217 Met His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
218               85                  90                  95
219 Ala Arg Ser Gly Trp Val Ser Ala Met Asp Tyr Trp Gly Gln Gly Thr
220               100                 105                 110
221 Ser Val Thr Val Ser Ser
222         115
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 113
226 <212> TYPE: PRT
227 <213> ORGANISM: Mus musculus
229 <400> SEQUENCE: 10
230 Asp Ile Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
231 1               5                   10                  15
232 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
233               20                  25                  30
234 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
235           35                  40                  45
236 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
237     50                  55                  60
238 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
239 65                  70                  75                      80
240 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
241               85                  90                  95
242 Thr His Phe Pro Gln Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu Lys
243               100                 105                 110
244 Arg
247 <210> SEQ ID NO: 11
248 <211> LENGTH: 118
249 <212> TYPE: PRT
250 <213> ORGANISM: Mus musculus
252 <400> SEQUENCE: 11
253 Gln Val Gln Leu Gln Gln Ser Gly Val Glu Leu Val Arg Pro Gly Thr
254 1               5                   10                  15
255 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
256               20                  25                  30
257 Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Asp Trp Ile
258           35                  40                  45
259 Gly Met Ile Asn Pro Gly Ser Gly Gly Thr Lys Cys Asn Lys Lys Phe
260     50                  55                  60
261 Lys Gly Lys Val Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
262 65                  70                  75                  80
263 Met His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
264               85                  90                  95
265 Ala Arg Ser Gly Trp Val Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr
266               100                 105                 110
267 Ser Val Thr Val Ser Ser
268         115
270 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/11/2005
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Input Set : **A:\14875-146US1.txt**
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<u>Invalid <213> Response:</u>
**Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:27,28,29,30

VERIFICATION SUMMARY   DATE: 07/11/2005
PATENT APPLICATION: US/10/540,643   TIME: 15:13:15

          Input Set : **A:\14875-146US1.txt**
          Output Set: **N:\CRF4\07112005\J540643.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date